



Pennsylvania Department of Environmental Protection

P.O. Box 2063

Harrisburg, PA 17105-2063

May 2, 1996

**The Secretary**

Mr. W. Michael McCabe  
Regional Administrator  
U.S. Environmental Protection Agency  
841 Chestnut Building  
Philadelphia, PA 19107

**RECEIVED**  
Ozone & Mobile Sources  
Section (3AT21)

**MAY 13 1996**

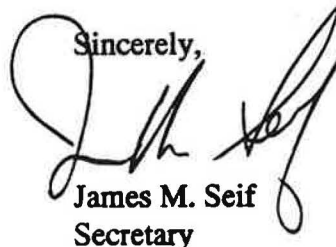
**EPA, REGION III**

Dear Mike:

Enclosed for your approval are revisions to the Pennsylvania State Implementation Plan (SIP). These revisions address the Section 182 and 184 requirements of the Clean Air Act for Reasonably Available Control Technology (RACT) by providing emission limits for the sources covered by these revisions. The revisions are contained in the following enclosed RACT plans: 06-1006, 06-1028, 08-0003, 10-001-S, 18-0004, 18-0004A, 41-0007, 42-110, 51-1563, 51-1585, 51-1615, 51-2237, 51-2260, 51-3177, 51-3887, 51-4901, 51-4902, 51-4903, 51-4904, 51-4905, 51-4921, 51-4942, 51-5003, 51-5008, 51-5009, 51-5011, 51-6512, 51-6526, 51-6863, 51-7721, 51-8906, 51-9705, 53-0005A, and 56-000-151. We are also requesting EPA to withdraw RACT plans 39-0012 and 42-158 submitted November 15, 1995, and April 16, 1996, respectively and replace them with the current plans enclosed. We also request withdrawal of RACT plan 22-2004 submitted April 5, 1995. Those conditions which pertain to the implementation of Sections 129.91 - 95 of the RACT regulation will be incorporated into the SIP. Where plans specify that amendment of the numerical emission limits may be made to reflect the actual operating performance in accordance with 25 Pa. Code 129.91(j), Department approval is required and all changes will be submitted to EPA for approval as a federally enforceable permit.

Should you have any questions regarding this SIP revision, please contact James M. Salvaggio, Director of our Bureau of Air Quality at 717-787-9702.

Sincerely,



James M. Seif  
Secretary

Enclosures



7-123

**RACT  
PLAN APPROVAL**

Facility: Temple University Health Sciences Center

PLID: 8906

Address: Broad Street & Montgomery Avenue  
Philadelphia, PA 19122

Owner: Temple University

Attention: Kurt Bresser

Source(s): Three steam boilers and one medical waste incinerator.

In accordance with provisions of the Pennsylvania Code, Title 25, Chapter 129.91 thru 129.95, Air Management Services (AMS) has approved the RACT proposal plans for Temple University on the above indicated air contamination source(s).

The RACT plan approval is subject to the following conditions:

1. The purpose of this Plan Approval is to establish Nitrogen Oxides (NOx) Reasonably Available Control Technology (RACT) for Temple University, Health Sciences Center. This includes the following emission sources and control equipment:

A. Emission Sources

(1) Boilers #1-3: Keeler boilers firing natural gas or #6 fuel oil each with a maximum rated heat capacity of 76.4 MMBtu/hr.

~~(2) The Econo-Therm medical waste incinerator has a maximum rated heat capacity of 3.7 MMBtu/hr and is equipped with two natural gas burners each rated at 800,000 Btu/hr.~~

B. Control Equipment

(1) Flue gas recirculation and low excess air combustion will be implemented on one of the three Keeler boilers.

2. This approval authorizes:

A. Keeler boiler #2 shall utilize flue gas recirculation and low excess air combustion to comply with RACT requirements of 25 PA Code 129.91(f). Keeler boilers #1 & 3 shall have a fuel flow governing device limiting the fuel input to 50 MMBTU/hr each.

~~B. The Econo-Therm medical waste incinerator shall be operated in accordance with the presumptive RACT requirements of 25 PA Code 129.93(c)(4).~~

3. RACT Implementation Schedule

A. Upon issuance of this approval, Temple University shall begin immediate implementation of the measures necessary to comply with the approved RACT proposal.

B. Temple University shall modify the fuel trains on Keeler boilers #1 & 3 with a fuel governing device by June 31, 1995.

B. Temple University shall install and operate NOx control of flue gas recirculation and low excess air combustion on Keeler boilers #2 by May 31, 1996.

4. Testing Requirements

A. Within 90 days of maximum operations but no later than 180 days of startup, Temple University must conduct performance testing of the NOx emission control system to optimize the control efficiency of the flue gas recirculation and low excess air system.

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B. At least (30) days prior to the test, Temple University shall submit to AMS for approval the procedures for the test and a sketch with dimensions indicating the location of sampling ports and other data to ensure the collection of representative samples.

5. Recordkeeping and Reporting Requirements

A. Temple University shall maintain a file containing all the records and other data that are required to be collected to demonstrate compliance with NOx RACT requirements of 25 PA Code §129.91-129.94.

B. The records shall provide sufficient data and calculations to clearly demonstrate that the requirements of §129.91-129.94 are met.

C. Data or information required to determine compliance shall be recorded and maintained in a time frame consistent with the averaging period of the requirement.

D. Records shall be retained for at least two years and shall be made available to AMS on request.

~~6. The operation of the aforementioned sources shall not at any time result in the emission of visible air contaminants in excess of the limitations specified in Section 123.41, particulate matter in excess of the limitations specified in Section 123.11 or sulfur oxides in excess of the limitations specified in Section 123.22, all Sections of Chapter 123 of Article III of the Rules and Regulations of the Pennsylvania Department of Environmental Resources, or in the emission of any of these or any other type of air contaminant in excess of the limitations specified in, or established pursuant to, any other applicable rule or regulation contained in Article III.~~

~~7. The company shall not impose conditions upon or otherwise restrict the AMS' access to the aforementioned source(s) and/or any associated air cleaning device(s) and shall allow AMS to have access at any time to said source(s) and associated air cleaning device(s) with such measuring and recording equipment, including equipment recording visual observations, as AMS deems necessary and proper for performing its duties and for the effective enforcement of the Air Pollution Control Act.~~

~~8. Revisions to any emission limitations incorporated in this RACT Approval will require resubmission as revision to the PA State Implementation Plan. The applicant shall bear the cost of public hearing and notification required for EPA approval as stipulated in 25 PA Code §129.91(h).~~